

Form PTO-1449 (Rev. 8-83) (modified) INFORMATION DISCLOSURE CITATION (See several sheets if necessary)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 13226US02	SERIAL NO. 09/898,850
	APPLICANT(s): Ungerboech			
	FILING DATE July 3, 2001		GROUP ART UNIT: 2681	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DH	A1	5,268,961	12/07/93	Ng	380	19	_____
DH	A2	5,528,628	06/18/96	Park et al.	375	240	_____
DH	A3	5,559,561	09/24/96	Wei	348	470	_____
DH	A4	5,914,840	06/22/99	Kawakami et al.	360	130.23	_____

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NO.	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
							</	

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
DH	C1	Kschischang, "Optimal Nonuniform Signaling for Gaussian Channels," <i>IEEE Transactions on Information Theory</i> , 39(3):913-929 (May 1993)

EXAMINER	DATE CONSIDERED:
<i>[Signature]</i>	10/25/04
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PTO/SB/08A (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	09/898,850
		Filing Date	July 3, 2001
		First Named Inventor	Gottfried Ungerboeck
		Group Art Unit	2681
		Examiner Name	Not assigned
Attorney Docket Number	13226US02		
Sheet	1	of	1

U.S. PATENT DOCUMENTS					
Examiner Initial*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1				RECEIVED APR 12 2004 Technology Center 2600
	A2				
	A3				
	A4				
	A5				
	A6				

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
DA	A7	DE 197 48 880 C 1	05/12/1999	DEUTSCHE TELEKOM AG	Col. 2, line 17 - line 22; Col. 3, line 41 - 44	
	A8					
	A9					
	A10					
	A11					

OTHER ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
DA	A12	B. Vasic et al., "Scrambling for Nonequiprobable Signalling", Electronics Letters, IEE Stevenage, GB, vol. 32, no. 17, August 15, 1996, pages 1551-1552.
	A13	
	A14	
	A15	
	A16	

EXAMINER SIGNATURE		DATE CONSIDERED	10/25/04
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